## Rec'd PCT/PTO 16 MAY 2005

## UNITED STATES OF AMERICA COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

FILE NO. M1071.1923 516-0443/NW

## As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named) of the subject matter which is claimed and for which a patent is sought on the invention entitled: THREE-DIMENSIONAL PERIODIC STRUCTURE AND METHOD FOR PRODUCING THE the specification of which is attached hereto, unless the following box is checked: was filed on April 20, 2004 as United States patent Application Number or PCT International patent application number PCT/IP2004/005592 and was amended on I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above I acknowledge the duty to disclose all information known to be material to patentability in accordance with Title 37, Code of Federal Regulations, I hereby claim priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate or United States provisional application(s) listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed: Prior Foreign or Provisional Application(s) APPLICATION NUMBER DATE OF FILING PRIORITY CLAIMED COUNTRY (day, month, year) UNDER 35 U.S.C. § 119 2003-161219 5, June, 2003 Japan □YES □NO I hereby claim the benefit under Title 35, United States Code, \$120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, \$112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, \$1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application. UNITED STATES APPLICATION NUMBER DATE OF FILING (patented, pending, abandoned) I hereby appoint customer no. 32172, DICKSTEIN, SHAPIRO, MORIN & OSHINSKY, LLP, as attorneys with full power of substitution and revocation to prosecute this application, to transact all business in the Patent & Trademark Office connected therewith and to receive all correspondence. SEND CORRESPONDENCE TO: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY, LLP 1177 Avenue of the Americas, 41st Floor New York, NY 10036-2714 DIRECT TELEPHONE CALLS TO: (212) 835-1400 In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) to insert above the filing date and/or Application No. of said application. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon AME OF SOLE OR FIRST INVENTOR INVENTOR'S SIGNATURE Soshu KIRIHARA Soshu Kirihara RESIDENCE (City and either State or Foreign Country, COUNTRY OF CITIZENSHIP Mino-shi, Osaka-fu, Japan lapan POST OFFICE ADDRESS 285-2-1-27, Aoshinke, Mino-shi, Osaka-fu, 562-0024, Japan FULL NAME OF SECOND JOINT INVENTOR (IF ANY) INVENTOR'S SIGNATURE Dec. 17. 2004 Yoshinari MIYAMOTO COUNTRY OF CITIZENSHIP RESIDENCE (City and either State or Foreign Country) Ikeda-shi, Osaka-fu, Japan Japan POST OFFICE ADDRESS c/o (A170) Intellectual Property Department, Murata Manufacturing Co., Ltd., 1-14-202 Tsukinoki-cho, Ikeda-shi, Osaka-fu, 563-0057, Japan

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IMITED	FILE NO.						
UNITED STATES OF AMERICA COMBINED DECLARATION AND POWER OF ATTORNEY				M1071.1923			
FOR PA		516-0443/NW					
				PRIORITY CLAIMED			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day,	month, year)	UNDER 35 U.S.C. 119			
				☐YES ☐NO			
				□YES □NO			
				□YES □NO			
				□YES □NO			
				□YES □NO			
				□YES □NO			
				□YES □NO			
				□YES □NO			
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
FULL-NAME OF THIRD JOINT INVENTOR,	IF ANY	INVENTOR'S SIGNATURE		DATE .			
<u>Takuji NAKAGAWA</u>	Takuji NAKAGAWA		egawa	12/17/2004			
RESIDENCE (City and either State or Foreign County) Muko-shi, Kyoto-fu, Japan				country of citizenship  Japan			
POST OFFICE ADDRESS  c/o (A170) Intellectual Property Department, Murata Manufacturing Co., Ltd., 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan							
full name of fourth joint inventor, if any Katsuhiko TANAKA		INVENTOR'S SIGNATURE		DATE			
RESIDENCE (City and either State or Fore Ibaragi-shi, Osaka-fu, Ja		country of citizenship Japan					
POST OFFICE ADDRESS c/o (A170) Intellectual Property Department, Murata Manufacturing Co., Ltd., 10-1, Higashikotari 1-chome, Nagaokakyo-shi, Kyoto-fu 617-8555, Japan							
FULL NAME OF FIFTH JOINT INVENTOR, IF ANY		INVENTOR'S SIGNATURE		DATE			
RESIDENCE (City and either State or Foreign Country)			COUNTRY	COUNTRY OF CITIZENSHIP			
POST OFFICE ADDRESS							
FULL NAME OF SIXTH JOINT INVENTOR, IF ANY INVEN		INVENTOR'S SIGNATURE	DATE				
RESIDENCE (City and either State or Foreign Country)			COUNTRY OF CITIZENSHIP				
POST OFFICE ADDRESS			•				

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UNITED STATES OF AMERICA COMBINED DECLARATION FILE NO.							
AND POWER OF ATTORNEY FOR PATENT APPLICATION					M1071.1923		
516-0443/NW							
As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named) of the subject matter which is claimed and for which a patent is sought on the invention entitled:							subject
THREE-DIMENSIONAL PERIODIC STRUCTURE AND METHOD FOR PRODUCING THE							
		<u>SAME</u>					
the specification of which is attached h			nom.				
was filed on <u>April 20, 2004</u> as United States patent Application Number or PCT International patent application number PCT/IP2004/005592 and was amended on (if any).							
application number <u>PC1/JP2004/003392</u> and was amended on (if any).  I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any							
amendment referred to above.  I acknowledge the duty to disclose:							
§1.56.  I hereby claim priority benefits under Title 35, United States Code §119 of any foreign application(s) for patent or inventor's certificate or United States provisional application(s) listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:							
Prior Foreign or Provisional Application	on(s)  APPLICATION	LNUMBER	DATE OF I	EIL INC	<del></del>	DRIODITY	CLAIMED
COUNTRY	AFFLICATION	NOMBER	DATE OF FILING (day, month, year)			PRIORITY CLAIMED UNDER 35 U.S.C. § 119	
Japan	2003-16	51219	5, June, 2003			⊠YES □NO	
		-				□YES □NO	
						□YES	□NO
I hereby claim the benefit under Tit each of the claims of this application is United States Code, §112, I acknowled Regulations, §1.56 which became available application.	le 35, United States Coos not disclosed in the pri lge the duty to disclose lable between the filing	de, §120 of any Unite or United States applinformation which is date of the prior app	d States application(s) lication in the manner p material to patentability lication and the national	listed belo rovided by y as define I or PCT i	w and, ins y the first p ed in Title nternations	ofar as the subjoaragraph of Ti 37, Code of Fed al filing date of	ect matter of the 35, deral this
UNITED STATES APPLICATION NUMBER	DATE OF FILING (day, month, year)			STATUS (patented, pending, abandoned)			oned)
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	-						
I hereby appoint customer no. 3217, revocation to prosecute this application	2, DICKSTEIN, SHAPI n, to transact all busines	RO, MORIN & OSH s in the Patent & Trac	INSKY, LLP, as attorn demark Office connecte	eys with fed therewi	full power of th and to re	of substitution asceive all corres	ind . spondence.
SEND CORRESPONDENCE TO: DICKSTEIN, SHAPIRO, MORIN & OSHINSKY, LLP 1177 Avenue of the Americas, 41st Floor New York, NY 10036-2714  DIRECT TELEPHONE CALLS TO: (212) 835-1400							
In the event that the filing date and/or Application No. are not entered above at the time I execute this document, and if such information is deemed necessary, I hereby authorize and request my attorneys/agent(s) to insert above the filing date and/or Application No. of said application.							
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
FULL NAME OF SOLE OR FIRST INVENTOR Soshu KIRIHARA		INVENTOR'S SIGNATURE			DATE		
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full name of second joint inventor (if any) Yoshinari MIYAMOTO		INVENTOR'S SIGNATURE			DATE		
RESIDENCE (City and either State or Foreign Country) Ikeda-shi, Osaka-fu, Japan				country of citizenship Japan			
POST OFFICE ADDRESS							
c/o (A170) Intellectual Property Department, Murata Manufacturing Co., Ltd., 1-14-202							
Tsukinoki-cho, Ikeda-shi, Osaka-fu, 563-0057, Japan							
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UNITED STATES OF AMERICA COMBINED DECLARATION AND POWER OF ATTORNEY			FILE NO. M1071.1923			
	ATENT APPLICATION			516-0443/NW		
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COUNTRY	APPLICATION NUMBER	DATE OF FILING (may, i	nonin, yeur)	UNDER 35 U.S.C. 119		
				☐YES ☐NO		
	<del></del>			YES NO		
	<del></del>	-		☐YES ☐NO		
	ļ	<u> </u>		☐YES ☐NO		
				☐YES ☐NO		
				☐YES ☐NO		
				☐YES ☐NO		
				□YES □NO		
I hereby declare that all statements to be true; and further that these staten imprisonment, or both, under Section the application or any patent issued the	ereon.	are true and that all statements that willful false statements a Code and that such willful fa	s made on inf and the like so se statements	ormation and belief are believed o made are punishable by fine or or may jeopardize the validity of		
FULL NAME OF THIRD JOINT INVENTOR TAKUJI NAKAGAWA	, IF ANY	INVENTOR'S SIGNATURE		· DATE		
RESIDENCE (City and either State or Foreign Country) Muko-shi, Kyoto-fu, Japan				country of citizenship Japan		
post office address c/o (A170) Intellectual l Higashikotari 1-ghome	Property Department.	Murata Manufact oto-fu 617-8555, Ja	uring Co	o., Ltd., 10-1,		
FULL NAME OF FOURTH JOINT INVENTO	OR. IF ANY			DATE		
Katsuhiko TANAKA		Ketsnhoko Tanglen 1		December 17, 2009		
RESIDENCE (City and either State or Foreign Country)  Ibaragi-shi, Osaka-fu, Japan			country of citizenship Japan			
POST OFFICE ADDRESS c/o (A170) Intellectual l Higashikotari 1-chome	Property Department, , Nagaokakyo-shi, Kyo	Murata Manufact oto-fu 617-8555, Ja	uring Co pan	o., Ltd., 10-1,		
FULL NAME OF FIFTH JOINT INVENTOR	, IF ANY	INVENTOR'S SIGNATURE	٦	DATE		
RESIDENCE (City and either State or Foreign Country)			COUNTRY OF CTTIZENSHIP			
POST OFFICE ADDRESS	·		•			
FULL NAME OF SIXTH JOINT INVENTOR	, IF ANY	INVENTOR'S SIGNATURE		DATE		
RESIDENCE (City and either State or Foreign Country)			COUNTRY	COUNTRY OF CITIZENSHIP		
POST OFFICE ADDRESS						